



Sumanta Kumar Patel

Senior AI/ML Engineer

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About Me

I'm a Full-Stack AI/ML Engineer with over 10 years of experience developing scalable, intelligent systems. My expertise spans machine learning pipelines, full-stack web architecture, and cloud-native solutions. I'm passionate about building systems that learn, adapt, and solve meaningful problems.

Tech Skills

- Python (Advanced)
- TensorFlow
- Azure AI / ML , Development
- JavaScript (Intermediate)
- Java (Intermediate)
- Docker / Kubernetes
- PostgreSQL / MongoDB
- Critical Thinking
- Problem Solving

Education

- M.Tech in Data Science and Engineering
BITS Pilani 2023-2024
- B.Tech in ETC
IETE, New Delhi 2009-2013
- Schooling
JNV, Sambalpur 1999-2007

Experience

- Senior AI/ML Engineer
Optum (UnitedHealth Group) 2022-Present
Leading AI/ML initiatives, developing scalable machine learning pipelines, and mentoring junior engineers in deep learning technologies.
- Lead SDET
Optum (UnitedHealth Group) 2018-2022
Developed end-to-end automated testing framework for various frontend and PEGA applications, and various interactive Dashboards.
- Application Developer
Optum (UnitedHealth Group) 2015-2018
TOPS (The Online Processing System) - This project involved Building and Maintaining IBM Mainframe Program for claim processing engine provided by RMOs and other submitters which contains Medical and Rx claims processing, RTA claims processing through CHWY TOPS, NDB, CDB, PE and many more downstream applications.
- Assc. Application Developer
United Health Group 2014-2015
Started career developing COBOL, JCL, CICS, DB2 applications. Worked on various projects like Claim Processing, Claim Reconciliation, Claim Status Inquiry, etc.

Awards and Recognition

- Application Developer
Innovative Tech Solution for Automation
- Amethyst Award
For submitting best Idea
- Sapphire Award
For cross Team collaboration
- Aquamarine Award
Outstanding performance in delivering high-impact solution.